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Subject: [PROPOSAL] Rebuild only selected packages.

Posted by [rxantos](#) on Tue, 21 Jul 2015 17:41:18 GMT

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Sometimes when using blitz I have to rebuild the whole project I am working on. Otherwise I get errors when running a program.

No big deal, except that rebuild all rebuild the entire project. Right now I need to go one by one and clean my packages and then rebuild. Otherwise I get to wait for all the U++ libraries to be remade (which gets old pretty fast).

The ideal would be:

- Select all projects one wants to rebuild.
- Save that selection.
- Run a rebuild my files.

Is there a way to do this without editing the ide?

I tried using a Esc macro. But while there is a BuildProject function there is no CleanProject function nor is there a RebuildProject function.

Better yet. Have the option to not rebuild anything in the uppsrc directory. (aka do not clean uppsrc, only my workspace).

Did some of it:

In uppsrc/ide/Build.cpp

Add

```
void Ide::PackageRebuid()
{
    const Workspace& wspc = IdeWorkspace();
    int pi = GetPackageIndex();
    if(pi >= 0 && pi < wspc.GetCount()) {
        console.Clear();
        CleanPackage(wspc, pi);

        BeginBuilding(true, false);
        Vector<String> linkfile, immfile;
        String linkopt;
        bool ok = BuildPackage(wspc, pi, 0, 1, mainconfigparam, Null, linkfile, immfile, linkopt);
        EndBuilding(ok);
    }
}
```

in uppsrc/ide/Ide.h

Add

```
void PackageRebuid();
```

In uppsrc/ide/ide.key  
Add

```
KEY(REBUILDPACKAGE, "Rebuild package", 0)
```

In uppsrc/ide/idebar  
Add

```
menu.Add(b, AK_REBUILDPACKAGE, THISBACK(PackageRebuild)).Help("Rebuild current package");
```

to the

```
void Ide::BuildPackageMenu(Bar& menu)
```

function.

This adds the ability to rebuild a package in one step instead of two.  
I'm still working on the select what to rebuild part. Ideally it would be a:

- Clean package assembly
- Build package assembly
- Rebuild package Assembly

That way other assemblies (specially the uppsrc one) are not touched when doing a rebuild.

EDIT:

Unfortunately I couldn't find a method to find out what assembly a library belongs to.

EDIT:

Got it to work by adding the directory of the assembly to the package. I get this from the main Nest.

Rebuilding time got a lot lower :)

Adding the ability to build based on the color of the package. That way I can use a different color for different sections. Avoiding a rebuild on libraries that do not need to be rebuild.